H17B6 Rabbit pAb

CatalogNo: YT7271

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB

MW
- 35kD (Calculated)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human H17B6 AA range: 28-78
Specificity	This antibody detects endogenous levels of H17B6 at Human/Mouse/Rat

Target Information

Gene name	HSD17B6 RODH

Protein Name H17B6

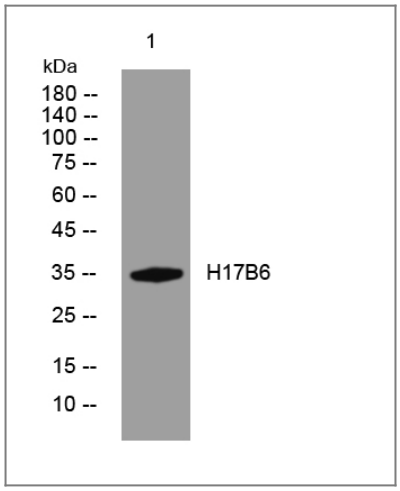
Organism	Gene ID	UniProt ID
Human	8630;	O14756;
Mouse	27400;	Q9R092;
Rat	286964;	O54753;

Cellular Localization Microsome membrane ; Peripheral membrane protein ; Lumenal side . Early endosome membrane ; Peripheral membrane protein ; Lumenal side .

Tissue specificity Detected in liver and prostate (at protein level). Detected in adult liver, lung, brain, placenta, prostate, adrenal gland, testis, mammary gland, spleen, spinal cord and uterus. Detected in caudate nucleus, and at lower levels in amygdala, corpus callosum, hippocampus, substantia nigra and thalamus. Detected in fetal lung, liver and brain.

Function Catalytic activity:Estradiol-17-beta + NAD(P)(+) = estrone + NAD(P)H.,Catalytic activity:Retinol + NAD(+) = retinal + NADH.,Catalytic activity:Testosterone + NAD(+) = androst-4-ene-3,17-dione + NADH.,Function:NAD-dependent oxidoreductase with broad substrate specificity that shows both oxidative and reductive activity (in vitro). Has 17-beta-hydroxysteroid dehydrogenase activity towards various steroids (in vitro). Converts 5-alpha-androstan-3-alpha,17-beta-diol to androsterone and estradiol to estrone (in vitro). Has 3-alpha-hydroxysteroid dehydrogenase activity towards androsterone (in vitro). Has retinol dehydrogenase activity towards all-trans-retinol (in vitro). Can convert androsterone to epi-androsterone. Androsterone is first oxidized to 5-alpha-androstane-3,17-dione and then reduced to epi-andosterone. Can act on both C-19 and C-21 3-alpha-hydroxysteroids.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,tissue specificity:Detected in liver and prostate (at protein level). Detected in adult liver, lung, brain, placenta, prostate, adrenal gland, testis, mammary gland, spleen, spinal cord and uterus. Detected in caudate nucleus, and at lower levels in amygdala, corpus callosum, hippocampus, substantia nigra and thalamus. Detected in fetal lung, liver and brain.,

Validation Data



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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